

Title (en)
METHOD FOR PRODUCING TRIAZINE COMPOUND

Title (de)
VERFAHREN ZUR HERSTELLUNG VON TRIAZINVERBINDUNGEN

Title (fr)
PROCÉDÉ DE PRODUCTION DE COMPOSÉ TRIAZINE

Publication
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Application
EP 17875693 A 20171129

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Abstract (en)
The present invention provides an industrially advantageous method for producing a 3,5-disubstituted triazine compound that is useful as an active pharmaceutical ingredient. More specifically, the present invention provides a production method, whereby it becomes possible to efficiently produce a 3-oxo-5-substituted triazine in water without the need to isolate an intermediate that may have mutagenicity, and it also becomes possible to perform the production without the need to isolate a product in each of multiple steps. Namely, the present invention provides a method for producing a compound represented by formula I or a salt thereof, the method including a step of reacting a compound represented by the following formula IV or a salt thereof with a base in water, and optionally including a step of forming a salt thereof. Specifically, the present invention provides a method for producing a compound represented by formula I or a salt thereof, the method including a step of derivatizing a compound represented by formula II or a salt thereof into a corresponding compound represented by formula III, a salt thereof, or a derivative thereof, then a step of reacting the resulting compound, a salt thereof, or a derivative thereof with aminourea or a salt thereof in water to produce a compound represented by formula IV or a salt thereof, and then a step of reacting the resulting compound or a salt thereof in the presence of a base.(wherein ring A represents an optionally substituted aryl group or an optionally substituted heteroaryl group)

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